Dear Members, Friends, Sponsors, and Volunteers:

This issue is filled with the results of the Buckeye Science and Engineering Fair and the 69th Annual State Science Day.

These programs are an essential component to science education in Ohio as they incorporate scientific inquiry and technological design through student-focused, project-based curricula that develops skills of communication, collaboration, creativity, innovation, critical thinking and problem solving. Each of these skills serves to develop an advanced workforce and helps to create a stronger and more informed generation of consumers, voters, and policy makers.

Thank you for your support and I hope you enjoy reading the OAS Newsletter - Summer 2017, Part II.

BUCKEYE SCIENCE AND ENGINEERING FAIR 2017

The Buckeye Science and Engineering Fair (BSEF) was held on April 1, 2017 at the Nationwide 4H Center on the campus of Ohio State. Seventy-four students throughout Ohio competed for the opportunity to attend the International Science and Engineering Fair (ISEF). This year, ISEF was held in Los Angeles from May 14-19.

BSEF is made possible through the sponsorship of ETHICON.
Students advancing to the final round of BSEF judging included (from left to right) Akul Rajan - Mason HS, Margaret Bohmer - Sylvania Southview HS, Maanasa Mendu - Mason HS, Nipun Jayatissa - Maumee Valley Country Day, Benjamin Charnay, Aaron Charnay - Sycamore HS and Arukshita Goel - Sylvania Southview HS.

The 2017 BSEF Finalists selected to present at ISEF were Benjamin and Aaron Charnay, Maanasa Mendu and Nipun Jayatissa.

Benjamin and Aaron Charnay of Sycamore HS (Cincinnati) won a fourth award ($500) at ISEF in the Energy-Chemical category for The Feasibility of Using Bamboo as a Source of Ethanol for Fuel.
The 69th Annual State Science Day was held on May 13 and was hosted by The Ohio State University. More than 1,200 students competed for nearly $700,000 in sponsored awards and scholarships.

**Official State Science Day 2017 Program**

State Science Day is sponsored by AEP Ohio, Battelle, Ethicon, The Ohio EPA - Ohio Environmental Education Fund, and The Ohio Tuition Trust Authority - College Advantage 529 Plan.

Derek Demel, Athens HS and Abigail Myers, Big Walnut HS received 8-Year Awards at State Science Day. Derek presented *Effectiveness of Negative Stiffness Devices at Resisting Seismic Force in Buildings* and also presented his project at ISEF. He will enter Yale University this fall.

Abigail Myers is a 4-time presenter at the American Association for the Advancement of Science (AAAS) and is a fellow in the American Junior Academy Council. Abigail presented *Oil Clean Clean-Up in Extreme Arctic Conditions*. She will begin her college studies at The Ohio State University.
Derek and Abigail each received an 8-year plaque and a $300 check from The Richard Hinig family of New Philadelphia in honor of their son, Brock Hinig.

The Harold C. Shaw Outstanding School Award is a very elusive milestone for Ohio's schools. This year, 335 schools competed at State Science Day 2017, but only 7 of them were able to bring home the coveted Shaw Award. The 2017 Shaw Award winners include:

Anna High School - Anna
Immaculate Conception School - Columbus
Mason Middle School - Mason
Sycamore High School - Cincinnati
University School - Hunting Valley
Walnut Hills High School - Cincinnati
Zane Trace High School - Chillicothe

Zane Trace High School (Chillicothe) is seen above receiving the 2017 Harold C. Shaw Outstanding School Award
The Ohio Tuition Trust Authority - College Advantage 529 Plan recognized 5th and 6th grade students for achieving superior State Science Day results. Forty-nine students from District Science Days and State Science Day received amounts totaling $24,000 in College Advantage 529 Awards.

Matthew Koon, a 6th grade student from Newton Elementary School in Pleasant Hill received a $1,500 College Advantage 529 Award for his State Science Day project *Gases versus Climate*.

Emily Swope, a 6th grade student from Bloom Carroll Middle School (Carroll) is seen receiving her College Advantage 529 Award along with Michael Woytek (left), CEO, The Ohio Academy of Science and Ben Gibbons (right), Interim-Marketing Director, Ohio Tuition Trust Authority - College Advantage 529 Plan.

State Science Day is only made possible through the generous support of its sponsors and more than 1,000 volunteers that contribute as judges, office personnel, and sponsored award and scholarship providers. Thank you for making State Science Day possible for Ohio's future scientists and engineers.

Thank you to each of the institutions, organizations, and agency's for providing the incentives and for bringing validation to the most exceptional projects. Please visit the link below for a complete list award providers.

[Official List of Sponsored Award and Scholarship Providers](#)

The Ohio Academy of Science recognized six individuals with the SSD 2017 Distinguished Service Award. They include:
Sr. Ginny Scherer, Science Teacher, Lehman Catholic HS
Mr. Matt Mowrer, Electrical Engineer, Battelle
Mr. Richard Proeschel, Systems Engineer, Boeing
Dr. Michael Kuhlman, Chief Scientist, Battelle
Mr. Joseph Carter, Science Chair-Teacher, Bloom Carroll HS
Mr. Madan Dev, Retired Nuclear Engineer, US Dept. of Energy

A big thank you to each of these incredible volunteers!

When a student completes a science fair project, throughout their middle school and high school years, this process produces a self-confident, mature, skilled and competitive young leader that understands the rewards of discipline and self-discovery.

Thank you for supporting our next generation of STEM professionals.

Sincerely,

Michael E. Woytek, CEO
The Ohio Academy of Science.